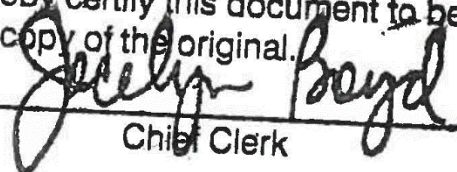


HEARING EXHIBIT NO. 15

(Merits Hearing of 4/3-4/2018)

In the matter of Docket No. 2017-292-WS:
Application of Carolina Water Service, Incorporated,
for Approval of an Increase in Its Rates
for Water and Sewer Services

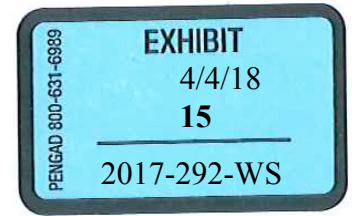
I hereby certify this document to be a
true copy of the original.



Chief Clerk

Date 8/30/18





ORS BUSINESS OFFICE COMPLIANCE REVIEW

Utility: Carolina Water Service, Inc.
Inspector: Matthew Schellinger
Office: Corporate: 2335 Sanders Road, Northbrook, IL
 Local Office: 150 Foster Brothers Drive, West Columbia, SC
Utility Type: Water and Wastewater Utility
Date: November 2017 – February 2018
Company Representative: Michael Cartin, Bob Gilroy

#	Compliance Regulation	In Compliance	Out of Compliance	Comments
1	All records and reports available for examination in accordance with R.103-510 and R. 103-710.	X		Customers can contact CWS representatives via telephone, email, or visit local office
2	Complaint records maintained in accordance with R.103-516 and R. 103-716.	X		All customer complaints are inserted into CWS database which tracks service orders, complaint types and related resolutions.
3	Utility's rates, its rules and regulations, and its up-to-date maps and plans available for public inspection in accordance with R.103-530 and R.103-730.	X		
4	Established procedures to assure that every customer making a complaint is made aware that the utility is under the jurisdiction of the Commission and that the customer has the right to register the complaint in accordance with R.103-530 and R. 103-730.	X		
5	Deposits charged within the limits established by R.103-531 and R. 103-731.	X		Customer deposits charged in compliance with regulations
6	Timely and accurate bills being rendered to customers in accordance with R.103-532 and R.103-732.		X	Meter Reader issue caused CWS to bill multiple months of estimated bills.
7	Bill forms in accordance with R.103-532 and R.103-732.	X		Bill form is clear with adequate after-hours emergency contact information.
8	Adjustments of bills handled in accordance with R.103-533 and 103-733.	X		Invoice adjustments are compliant with R.103-533 and 103-733.

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ORS WATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected: February 20, 2018
Inspector Name: Matthew Schellinger, Willie Morgan
Docket Number: 2017-292-WS
Utility Name: Carolina Water Service, Inc. – River Hills
Utility Representative: Mac Mitchell, Steven Friel, Mike Davis
Number of Customers: 4004 customers
System Type (distribution, well, etc): Distribution, purchased water from York County (which is purchased from City of Rock Hill)
Location of System: River Hills, Lake Wylie, York County
Location of Utility Office: 150 Foster Brothers Drive, West Columbia, SC
Treatment Type: None
Permit #: 4650006
Last SC DHEC Compliance Rating: Satisfactory – October 30, 2017
Frequency checked by Licensed Operator: Daily
Wastewater Provider: Carolina Water Service, Inc., & septic

	System Components Inspected	Specific Type	#	Capacity	Compliance		Comments
					Yes	No	
1	Well Sites						Purchases water from York County
2	Pump Houses						N/A
3	Storage Tank	Pressurized					N/A
3a	Storage Tank	Non-Pressurized					N/A
3b	Storage Tank	Overhead					See comment below
4	Chlorinator						N/A
5	Other Chemicals in use						N/A
6	Meters				X		
7	Hydrants				X		Fire protection & flushing
8	Electrical Wiring acceptable				X		
9	Piping acceptable				X		
10	System free of leaks				X		
11	Access road adequate				X		
12	Ability for service area to expand				X		

Additional Comments: None.



Date Inspected:	February 22, 2018
Inspector Name:	Matthew Schellinger
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. – Indian Fork/Forty Love
Utility Representative:	Mac Mitchell
Number of Customers:	212 customers
System Type (distribution, well, etc):	Well system with storage and distribution – See Below
Location of System:	Chapin area
Location of Utility Office:	150 Foster Brothers Drive, West Columbia, SC
Treatment Type:	Chlorination, corrosion inhibitor, pH adjustment – See Below
Permit #:	3250066
Last SC DHEC Compliance Rating:	Needs Improvement – November 24, 2015
Frequency checked by Licensed Operator:	Daily
Wastewater Provider:	Carolina Water Service, Inc., septic

	System Components Inspected	Specific Type	#	Capacity	Compliance		Comments
					Yes	No	
1	Well Sites	bored	6		X		2 wells have been abandoned
2	Pump Houses		1		X		
3	Storage Tank	Pressurized	4		X		See below
3a	Storage Tank	Non-Pressurized					N/A
3b	Storage Tank	Overhead					N/A
4	Chlorinator				X		
5	Other Chemicals in use				X		
6	Meters				X		
7	Hydrants				X		Flushing only
8	Electrical Wiring acceptable				X		
9	Piping acceptable				X		
10	System free of leaks				X		
11	Access road adequate				X		
12	Ability for service area to expand				X		

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ORS WATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected: February 22, 2018
Inspector Name: Matthew Schellinger
Docket Number: 2017-292-WS
Utility Name: Carolina Water Service, Inc. – Stonegate
Utility Representative: Mac Mitchell
Number of Customers: 137 customers
System Type (distribution, well, etc.): Well system with storage
Location of System: Chapin area
Location of Utility Office: 150 Foster Brothers Drive, West Columbia, SC
Treatment Type: Chlorination, corrosion inhibitor, pH adjustment
Permit #: 4050014
Last SC DHEC Compliance Rating: Unsatisfactory – November 2, 2017
Frequency checked by Licensed Operator: Daily
Wastewater Provider: Carolina Water Service, Inc., Septic

	System Components Inspected	Specific Type	#	Capacity	Compliance		Comments
					Yes	No	
1	Well Sites	bored	3		X		Well 3 - Offline
2	Pump Houses		1		X		
3	Storage Tank	Pressurized	1	10k gal	X		
3a	Storage Tank	Non-Pressurized					N/A
3b	Storage Tank	Overhead					N/A
4	Chlorinator				X		
5	Other Chemicals in use				X		
6	Meters				X		
7	Hydrants				X		Flushing only
8	Electrical Wiring acceptable				X		
9	Piping acceptable				X		
10	System free of leaks				X		
11	Access road adequate				X		
12	Ability for service area to expand				X		

Additional Comments: CWS is currently investigating plans to interconnect with the City of Columbia for water service.



ORS WATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected: February 22, 2018
Inspector Name: Matthew Schellinger
Docket Number: 2017-292-WS
Utility Name: Carolina Water Service, Inc. – Lake Village
Utility Representative: Mac Mitchell
Number of Customers: 88 customers
System Type (distribution, well, etc): Well and distribution
Location of System: Leesville, SC
Location of Utility Office: 150 Foster Brothers Drive, West Columbia, SC
Treatment Type: Chlorination, corrosion inhibitor, pH adjustment
Permit #: 3250054
Last SC DHEC Compliance Rating: Satisfactory – October 24, 2017
Frequency checked by Licensed Operator: Daily
Wastewater Provider: Town of Lexington, Septic

	System Components Inspected	Specific Type	#	Capacity	Compliance		Comments
					Yes	No	
1	Well Sites		3		X		2 Abandoned – 1 Offline
2	Pump Houses		3		X		
3	Storage Tank	Pressurized	1	10K	X		
3a	Storage Tank	Non-Pressurized					N/A
3b	Storage Tank	Overhead					N/A
4	Chlorinator				X		
5	Other Chemicals in use				X		
6	Meters				X		
7	Hydrants				X		Flushing only
8	Electrical Wiring acceptable				X		
9	Piping acceptable				X		
10	System free of leaks				X		
11	Access road adequate				X		
12	Ability for service area to expand				X		

Additional Comments: Met with one customer in the subdivision. Town of Lexington appears to be reading meters and billing customers based on water consumption for sewer service.



Date Inspected:	February 20, 2018
Inspector Name:	Matthew Schellinger, Willie Morgan
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. - Carowoods
Utility Representative:	Mac Mitchell, Steven Friel, Mike Davis
Number of Customers:	82 customers
System Type (distribution, well, etc):	Well and distribution
Location of System:	Carowoods, Rock Hill, York County
Location of Utility Office:	150 Foster Brothers Drive, West Columbia, SC
Treatment Type:	Chlorination, corrosion inhibitor, pH adjustment
Permit #:	4650035
Last SC DHEC Compliance Rating:	Satisfactory – October 23, 2017
Frequency checked by Licensed Operator:	Daily
Wastewater Provider:	Carolina Water Service, Inc.

	System Components Inspected	Specific Type	#	Capacity	Compliance		Comments
					Yes	No	
1	Well Sites		2		X		
2	Pump Houses		1		X		
3	Storage Tank	Pressurized	1	10K	X		
3a	Storage Tank	Non-Pressurized					N/A
3b	Storage Tank	Overhead					N/A
4	Chlorinator				X		
5	Other Chemicals in use				X		
6	Meters				X		
7	Hydrants				X		Flushing only
8	Electrical Wiring acceptable				X		
9	Piping acceptable				X		
10	System free of leaks				X		
11	Access road adequate				X		
12	Ability for service area to expand				X		

Additional Comments: Well house and tank in excellent condition and weatherized for winter months.



Date Inspected:	February 20, 2018
Inspector Name:	Matthew Schellinger, Willie Morgan
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. – Foxwood
Utility Representative:	Mac Mitchell, Steven Friel, Mike Davis
Number of Customers:	217 customers
System Type (distribution, well, etc):	Distribution Only, Purchased Water
Location of System:	Chapin, SC
Location of Utility Office:	150 Foster Brothers Drive, West Columbia, SC
Treatment Type:	None
Permit #:	4650008
Last SC DHEC Compliance Rating:	Satisfactory – October 23, 2017
Frequency checked by Licensed Operator:	Daily
Wastewater Provider:	Carolina Water Service, Septic

	System Components Inspected	Specific Type	#	Capacity	Compliance		Comments
					Yes	No	
1	Well Sites						N/A
2	Pump Houses						N/A
3	Storage Tank	Pressurized					N/A
3a	Storage Tank	Non-Pressurized					N/A
3b	Storage Tank	Overhead					N/A
4	Chlorinator						No treatment by CWS
5	Other Chemicals in use						No treatment by CWS
6	Meters				X		
7	Hydrants				X		Flushing only
8	Electrical Wiring acceptable				X		
9	Piping acceptable				X		
10	System free of leaks				X		
11	Access road adequate				X		
12	Ability for service area to expand				X		

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ORS WATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected: February 20, 2018
Inspector Name: Matthew Schellinger, Willie Morgan
Docket Number: 2017-292-WS
Utility Name: Carolina Water Service, Inc. – Shandon
Utility Representative: Mac Mitchell, Steven Friel, Mike Davis
Number of Customers: 67 customers
System Type (distribution, well, etc): Well, Distribution
Location of System: Shandon, Rock Hill, SC
Location of Utility Office: 150 Foster Brothers Drive, West Columbia, SC
Treatment Type: Chlorination, corrosion inhibitor, pH adjustment
Permit #: 4650009
Last SC DHEC Compliance Rating: Satisfactory – October 24, 2017
Frequency checked by Licensed Operator: Daily
Wastewater Provider: Carolina Water Service, Septic

	System Components Inspected	Specific Type	#	PSI	Capacity	Compliance		Comments
						Yes	No	
1	Well Sites		3			X		Tanker on site supplementing water
2	Pump Houses		1			X		
3	Storage Tank	Pressurized	1		10K Gal	X		
3a	Storage Tank	Non-Pressurized						N/A
3b	Storage Tank	Overhead						N/A
4	Chlorinator					X		
5	Other Chemicals in use					X		
6	Meters					X		
7	Hydrants					X		Flushing Only
8	Electrical Wiring acceptable					X		
9	Piping acceptable					X		
10	System free of leaks					X		
11	Access road adequate					X		
12	Ability for service area to expand					X		

Additional Comments: Tanker on site supplementing water usage.

SCDHEC-DHEC-2017-292-WS-1-Mac Mitchell, Steven Friel, Mike Davis 02/20/2018 15:58



Date Inspected:	February 20, 2018
Inspector Name:	Matthew Schellinger, Willie Morgan
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. – River Hills
Utility Representative:	Mac Mitchell, Steven Friel, Mike Davis
Number of Customers:	3530 customers
System Type (collection, force main, lagoon, etc):	Collection, forced main
Location of System:	River Hills, Lake Wylie, York County
Location of Utility Office:	150 Foster Brothers Drive, West Columbia, SC
Treatment Type:	None – discharged to York County
Permit #:	SSS000752
Last SC DHEC Compliance Rating:	N/A
Frequency checked by WWTF Operator:	Daily
Drinking Water Provider:	Carolina Water Service, Inc. & wells

Additional Comments: None



ORS WASTEWATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected:	February 20, 2018
Inspector Name:	Matthew Schellinger, Willie Morgan
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. - Shandon
Utility Representative:	Mac Mitchell, Steven Friel, Mike Davis
Number of Customers:	38 customers
System Type (collection, force main, lagoon, etc):	Collection, package plant
Location of System:	Shandon, Rock Hill, York County
Location of Utility Office:	150 Foster Brothers Drive, West Columbia, SC
Treatment Type:	Disinfection and dechlorination
Permit #:	SC0027189
Last SC DHEC Compliance Rating:	Satisfactory – June 23, 2016
Frequency checked by WWTF Operator:	Daily
Drinking Water Provider:	Carolina Water Service, Inc.

	System Components Inspected	Compliance		Comments
		Yes	No	
1	Chlorinator	X		
2	Other chemicals in use	X		Phosphorus and de-chlorination treatment
3	Aerators present	X		
4	Plant fenced and locked	X		
5	Warning Signs Visible	X		
6	Fence in good condition	X		
7	Dikes in good condition			N/A
8	Odor non-existent or limited	X		
9	Grass mowed	X		
10	Duckweed/Algae acceptable			N/A
11	Grease build-up acceptable	X		
12	Plant free of debris	X		
13	Effluent Color acceptable	X		
14	Lift Stations present			None
15	Failure Warning System adequate	X		
16	Electric Wiring adequate	X		
17	System free of leaks	X		
18	System free of overflows	X		
19	Access road adequate	X		
20	Ability for service area to expand	X		

Additional Comments: CWS replaced the lagoon system with a small package plant in 2014. Lagoon is used as equalization basin if needed.



ORS WASTEWATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected:	February 20, 2018
Inspector Name:	Matthew Schellinger, Willie Morgan
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. – Carowood
Utility Representative:	Mac Mitchell, Mike Davis
Number of Customers:	55 customers
System Type (collection, force main, lagoon, etc):	Collection, package plant
Location of System:	Carowoods, Rock Hill, York County
Location of Utility Office:	150 Foster Brothers Drive, West Columbia, SC
Treatment Type:	Disinfection and dechlorination
Permit #:	SC0038113
Last SC DHEC Compliance Rating:	Satisfactory – November 30, 2016
Frequency checked by WWTF Operator:	Daily
Drinking Water Provider:	Carolina Water Service, Inc.

	System Components Inspected	Compliance		Comments
		Yes	No	
1	Chlorinator	X		Tablets
2	Other chemicals in use	X		Sodium sulfite
3	Aerators present	X		
4	Plant fenced and locked	X		
5	Warning Signs Visible	X		
6	Fence in good condition	X		
7	Dikes in good condition			N/A
8	Odor non-existent or limited	X		
9	Grass mowed	X		
10	Duckweed/Algae acceptable			N/A
11	Grease build-up acceptable	X		
12	Plant free of debris	X		
13	Effluent Color acceptable	X		
14	Lift Stations present	X		2 lift stations
15	Failure Warning System adequate	X		
16	Electric Wiring adequate	X		
17	System free of leaks	X		
18	System free of overflows	X		
19	Access road adequate	X		
20	Ability for service area to expand	X		

Additional Comments: Blowers are housed to reduce noise. Plant contains a digester.



Date Inspected:	February 20, 2018
Inspector Name:	Matthew Schellinger, Willie Morgan
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. – Foxwood
Utility Representative:	Mac Mitchell, Mike Davis
Number of Customers:	219 customers
System Type (collection, force main, lagoon, etc):	Collection, gravity flow to activated sludge process
Location of System:	Foxwood, Fort Mill, SC
Location of Utility Office:	West Columbia, SC
Treatment Type:	Chlorination and dechlorination
Permit #:	SC0027146
Last SC DHEC Compliance Rating:	Satisfactory – June 23, 2016
Frequency checked by WWTF Operator:	Daily
Drinking Water Provider:	Carolina Water Service

Additional Comments: None



Date Inspected:	February 22, 2018
Inspector Name:	Matthew Schellinger, Willie Morgan
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. – Friarsgate
Utility Representative:	Mac Mitchell
Number of Customers:	3093 customers
System Type (collection, force main, lagoon, etc):	Collection, /gravity flow
Location of System:	Irmo area
Location of Utility Office:	150 Foster Brothers Drive, West Columbia, SC
Treatment Type:	Biological Treatment using 2 plants – 1.20 MGD WWTF
Permit #:	SC0036137
Last SC DHEC Compliance Rating:	Unsatisfactory – June 20 – July 6, 2016
Frequency checked by WWTF Operator:	Daily
Drinking Water Provider:	City of Columbia

Additional Comments: Effluent discharges via pumping system through a force main to the discharge point in the Saluda River. 300 KW generator onsite to provide backup power. Temporary equalization basin set up, relining of original equalization basin still in progress as of the site visit.



ORS WASTEWATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected:	February 22, 2018
Inspector Name:	Matthew Schellinger
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. – Stonegate
Utility Representative:	Mac Mitchell
Number of Customers:	137 customers
System Type (collection, force main, lagoon, etc):	Collection, forced main
Location of System:	Chapin area
Location of Utility Office:	150 Foster Brothers Drive, West Columbia, SC
Treatment Type:	None – discharge to Richland County
Permit #:	SSS000753
Last SC DHEC Compliance Rating:	No information provided
Frequency checked by WWTF Operator:	No information provided
Drinking Water Provider:	Carolina Water Service, Inc.

	System Components Inspected	Compliance		Comments
		Yes	No	
1	Chlorinator			None
2	Other chemicals in use			None
3	Aerators present			None
4	Plant fenced and locked	X		
5	Warning Signs Visible	X		
6	Fence in good condition	X		
7	Dikes in good condition			N/A
8	Odor non-existent or limited	X		
9	Grass mowed	X		
10	Duckweed/Algae acceptable			None
11	Grease build-up acceptable			None
12	Plant free of debris	X		
13	Effluent Color acceptable			N/A
14	Lift Stations present	X		
15	Failure Warning System adequate	X		
16	Electric Wiring adequate	X		
17	System free of leaks	X		
18	System free of overflows	X		
19	Access road adequate	X		
20	Ability for service area to expand	X		

Additional Comments: None



Date Inspected:	February 22, 2018
Inspector Name:	Matthew Schellinger
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. – Forty Love
Utility Representative:	Mac Mitchell
Number of Customers:	135 customers
System Type (collection, force main, lagoon, etc):	Collection, forced main
Location of System:	Chapin area
Location of Utility Office:	150 Foster Brothers Drive, West Columbia, SC
Treatment Type:	None – discharge to Richland County
Permit #:	SSS000754
Last SC DHEC Compliance Rating:	No information provided
Frequency checked by WWTF Operator:	No information provided
Drinking Water Provider:	Carolina Water Service, Inc.

Additional Comments: None



ORS WASTEWATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected:	February 23, 2018
Inspector Name:	Matthew Schellinger, Willie Morgan
Docket Number:	2017-292-WS
Utility Name:	Carolina Water Service, Inc. – Palmetto Apartments
Utility Representative:	Mac Mitchell
Number of Customers:	50 customers
System Type (collection, force main, lagoon, etc):	Collection – BJWSA Treats
Location of System:	Beaufort County
Location of Utility Office:	150 Foster Brothers Drive, West Columbia, SC
Treatment Type:	None – discharge to BJWSA
Permit #:	SSS000820
Last SC DHEC Compliance Rating:	No information provided
Frequency checked by WWTF Operator:	No information provided
Drinking Water Provider:	Carolina Water Service, Inc.

	System Components Inspected	Compliance		Comments
		Yes	No	
1	Chlorinator			None
2	Other chemicals in use			None
3	Aerators present			None
4	Plant fenced and locked	X		
5	Warning Signs Visible	X		
6	Fence in good condition	X		
7	Dikes in good condition			N/A
8	Odor non-existent or limited	X		
9	Grass mowed	X		
10	Duckweed/Algae acceptable			None
11	Grease build-up acceptable			None
12	Plant free of debris	X		
13	Effluent Color acceptable			N/A
14	Lift Stations present			N/A
15	Failure Warning System adequate	X		
16	Electric Wiring adequate	X		
17	System free of leaks	X		
18	System free of overflows	X		
19	Access road adequate	X		
20	Ability for service area to expand	X		

Additional Comments: None

EXHIBIT MPS-2
Consolidated
Page 1 of 7

ORS Calculated Revenue Summary - CWS (Service Territory #1 and Service Territory #2)				
A	B	C	D	E
Operating Revenue	ORS Calculated Test Year Revenue	Additional Revenue at Proposed Rates	ORS Calculated Revenue at Proposed Rates	% Increase
Service Territory 1 - Well Water	\$840,119	\$125,357	\$965,476	14.92%
Service Territory 1 - Purchased Water	\$4,958,863	\$1,250,695	\$6,209,558	25.22%
Service Territory 1 - Water - Misc. Revenue	\$116,768	\$5,679	\$122,447	4.86%
Total Service Territory 1 Water	\$5,915,750	\$1,381,731	\$7,297,481	23.36%
Service Territory 2 - Well Water	\$3,447,209	\$624,893	\$4,072,102	18.13%
Service Territory 2 - Purchased Water	\$1,550,886	\$393,476	\$1,944,362	25.37%
Service Territory 2 - Water - Misc. Revenue	\$117,867	\$8,203	\$126,070	6.96%
Total Service Territory 2 Water	\$5,115,962	\$1,026,572	\$6,142,534	20.07%
Service Territory 1 & 2 - Sewer	\$8,941,655	\$2,292,098	\$11,233,753	25.63%
Service Territory 1 & 2 - Sewer - Misc. Revenue	\$262,560	\$21,694	\$284,254	8.26%
Total Service Revenue Sewer	\$9,204,215	\$2,313,792	\$11,518,007	25.14%
Total Water and Sewer Service Revenues	\$20,235,927	\$4,722,095	\$24,958,022	23.34%

Office of Regulatory Staff
Revenue Impact Analysis
Carolina Water Service, Inc.
Docket No. 2017-292-WS

ORS Pro-Forma Test Year Revenue at Current Rates - Service Territory 1						
A	B	C	D	E	F	G
	Customer Classification	Consumption in Gallons ¹	Usage Charge per 1,000 gallons	Annualized Service Units ¹	Base Facility Charge (BFC)	Test Year Revenues (C*D/1000) + (E*F)
WATER	400PWCOM - 1" Purchase Water Commercial	850,740	\$6.67	72	\$38.10	\$8,418
	400PWCOM - 1.5" Purchase Water Commercial	18,100	\$6.67	12	\$76.21	\$1,035
	400PWCOM - 2" Purchase Water Commercial	7,066,100	\$6.67	108	\$121.93	\$60,299
	400PWCOM - 3" Purchase Water Commercial	1,242,100	\$6.67	12	\$228.63	\$11,028
	400PWCOM - 3/4" Purchase Water Commercial	0	\$6.67	12	\$14.64	\$176
	400PWCOM - 5/8" Purchase Water Commercial	2,086,560	\$6.67	288	\$14.64	\$18,134
	400PWCRH - 1" Purchase Water Commercial - Riverhills	5,629,128	\$6.67	432	\$38.10	\$54,005
	400PWCRH - 1.5" Purchase Water Commercial - Riverhills	10,957,130	\$6.67	312	\$76.21	\$96,862
	400PWCRH - 2" Purchase Water Commercial - Riverhills	25,221,428	\$6.67	432	\$121.93	\$220,901
	400PWCRH - 3" Purchase Water Commercial - Riverhills	3,736,632	\$6.67	72	\$228.63	\$41,385
	400PWCRH - 3/4" Purchase Water Commercial - Riverhills	5,096,240	\$6.67	120	\$14.64	\$35,749
	400PWCRH - 4" Purchase Water Commercial - Riverhills	1,891,870	\$6.67	24	\$381.16	\$21,767
	400PWCRH - 5/8" Purchase Water Commercial - Riverhills	7,774,151	\$6.67	1,272	\$14.64	\$70,476
	400PWCRH - 8" Purchase Water Commercial - Riverhills	586,181	\$6.67	12	\$1,171.21	\$17,964
	400PWRES - 1" Purchase Water Residential	4,206,540	\$6.67	1,068	\$14.64	\$43,693
	400PWRES - 1.5" Purchase Water Residential	1,523,275	\$6.67	660	\$14.64	\$19,823
	400PWRES - 2" Purchase Water Residential	7,775,242	\$6.67	1,812	\$14.64	\$78,389
	400PWRES - 3/4" Purchase Water Residential	122,040	\$6.67	12	\$14.64	\$990
	400PWRES - 4" Purchase Water Residential	220,000	\$6.67	192	\$14.64	\$4,278
	400PWRES - 5/8" Purchase Water Residential ¹	182,773,923	\$6.67	36,216	\$14.64	\$1,749,304
	400PWRRH - Purchase Water Res - RH (All Meter Sizes)	245,189,151	\$6.67	52,512	\$14.64	\$2,404,187
	400WCOM - 1" Commercial	10,180	\$5.69	12	\$38.10	\$515
	400WCOM - 5/8" Commercial	760,332	\$5.69	72	\$14.64	\$5,380
	400WRES - Water Residential (All Meter Sizes)	85,535,594	\$5.69	18,624	\$14.64	\$759,353
	402WRES - Water Residential (All Meter Sizes)	7,940,489	\$5.69	2,028	\$14.64	\$74,871
	Water Service Total	608,213,126		116,388		\$5,798,982
	Miscellaneous Revenues - Late Fees					\$23,933
	New Customer Charges					\$29,911
	Miscellaneous Service Revenue					-\$112
	NSF Check & Reconnect Fee					\$42,150
	Miscellaneous Revenues - Other ³					\$20,886
	Total Miscellaneous Revenues ²					\$116,768
	Total Operating Revenues					\$5,915,750

EXHIBIT MPS-2
Service Territory 1 - Water
Page 2 of 7

Office of Regulatory Staff
Revenue Impact Analysis
Carolina Water Service, Inc.
Docket No. 2017-292-WS

ORS Calculated Proposed Revenue at Company Proposed Rates - Service Territory 1								
A	B	C	D	E	F	G	H	I
	Customer Classification	Consumption in Gallons ¹	Usage Charge per 1,000 gallons	Annualized Service Units ¹	Base Facility Charge (BFC)	Proposed Revenue	Increase Amount	% Increase
WATER								
	400PWCOM - 1" Purchase Water Commercial	850,740	\$8.66	72	\$43.77	\$10,519	\$2,101	24.96%
	400PWCOM - 1.5" Purchase Water Commercial	18,100	\$8.66	12	\$87.54	\$1,207	\$172	16.62%
	400PWCOM - 2" Purchase Water Commercial	7,066,100	\$8.66	108	\$140.06	\$76,319	\$16,020	26.57%
	400PWCOM - 3" Purchase Water Commercial	1,242,100	\$8.66	12	\$262.63	\$13,908	\$2,880	26.12%
	400PWCOM - 3/4" Purchase Water Commercial	0	\$8.66	12	\$16.82	\$202	\$26	14.77%
	400PWCOM - 5/8" Purchase Water Commercial	2,086,560	\$8.66	288	\$16.82	\$22,914	\$4,780	26.36%
	400PWCRH - 1" Purchase Water Commercial - Riverhills	5,629,128	\$8.66	432	\$43.77	\$67,657	\$13,652	25.28%
	400PWCRH - 1.5" Purchase Water Commercial - Riverhills	10,957,130	\$8.66	312	\$87.54	\$122,201	\$25,339	26.16%
	400PWCRH - 2" Purchase Water Commercial - Riverhills	25,221,428	\$8.66	432	\$140.06	\$278,923	\$58,022	26.27%
	400PWCRH - 3" Purchase Water Commercial - Riverhills	3,736,632	\$8.66	72	\$262.63	\$51,269	\$9,884	23.88%
	400PWCRH - 3/4" Purchase Water Commercial - Riverhills	5,096,240	\$8.66	120	\$16.82	\$46,152	\$10,403	29.10%
	400PWCRH - 4" Purchase Water Commercial - Riverhills	1,891,870	\$8.66	24	\$437.84	\$26,892	\$5,125	23.54%
	400PWCRH - 5/8" Purchase Water Commercial - Riverhills	7,774,151	\$8.66	1,272	\$16.82	\$88,719	\$18,243	25.89%
	400PWCRH - 8" Purchase Water Commercial - Riverhills	586,181	\$8.66	12	\$1,345.36	\$21,221	\$3,257	18.13%
	400PWRES - 1" Purchase Water Residential	4,206,540	\$8.66	1,068	\$16.82	\$54,392	\$10,699	24.49%
	400PWRES - 1.5" Purchase Water Residential	1,523,275	\$8.66	660	\$16.82	\$24,293	\$4,470	22.55%
	400PWRES - 2" Purchase Water Residential	7,775,242	\$8.66	1,812	\$16.82	\$97,811	\$19,422	24.78%
	400PWRES - 3/4" Purchase Water Residential	122,040	\$8.66	12	\$16.82	\$1,259	\$269	27.17%
	400PWRES - 4" Purchase Water Residential	220,000	\$8.66	192	\$16.82	\$5,135	\$857	20.03%
	400PWRES - 5/8" Purchase Water Residential ¹	182,773,923	\$8.66	36,216	\$16.82	\$2,191,975	\$442,671	25.31%
	400PWRRH - Purchase Water Res - RH (All Meter Sizes)	245,189,151	\$8.66	52,512	\$16.82	\$3,006,590	\$602,403	25.06%
	400WCOM - 1" Commercial	10,180	\$6.54	12	\$43.77	\$592	\$77	14.95%
	400WCOM - 5/8" Commercial	760,332	\$6.54	72	\$16.82	\$6,184	\$804	14.94%
	400WRES - Water Residential (All Meter Sizes)	85,535,594	\$6.54	18,624	\$16.82	\$872,658	\$113,305	14.92%
	402WRES - Water Residential (All Meter Sizes)	7,940,489	\$6.54	2,028	\$16.82	\$86,042	\$11,171	14.92%
	Water Service Total	608,213,126		116,388		\$7,175,034	\$1,376,052	23.73%
	Miscellaneous Revenues - Late Fees ⁴					\$29,612	\$5,679	23.73%
	New Customer Charges					\$29,911	\$0	0.00%
	Miscellaneous Service Revenue					-\$112	\$0	0.00%
	NSF Check & Reconnect Fee					\$42,150	\$0	0.00%
	Miscellaneous Revenues - Other ³					\$20,886	\$0	0.00%
Total Miscellaneous Revenues ²						\$122,447	\$5,679	4.86%
Total Operating Revenues						\$7,297,481	\$1,381,731	23.36%

Calculation Methodology:

- (1) Consumption based on actual Test Year Billings, addition of 15,186,238 for falsified meter readings. Units based on Annualized end of Test Year Customer Count. Growth factor not included for comparison purposes.
- (2) Customer Deposits and Interest on Deposits are not included in any of the above computations.
- (3) "Miscellaneous Revenues - Other" has been increased to account for Home Serve revenues received by CWS, apportioned by customer count for each service territory.
- (4) "Miscellaneous Revenues - Late Fees" are increased due to late payment fee increases resulting from the proposed rates requested by CWS.

EXHIBIT MPS-2
Service Territory 1 - Water
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Office of Regulatory Staff
Revenue Impact Analysis
Carolina Water Service, Inc.
Docket No. 2017-292-WS

ORS Pro-Forma Test Year Revenue at Current Rates - Service Territory 2						
A	B	C	D	E	F	G
	Customer Classification	Consumption in Gallons ¹	Usage Charge per 1,000 gallons	Annualized Service Units ¹	Base Facility Charge (BFC)	Test Year Revenue (C*D/1000) + (E*F)
WATER						
	401WCOM - 5/8" Commercial Water Service	93,790	\$8.88	36	\$24.72	\$1,723
	401WCOM - 1" Commercial Water Service	29,250	\$8.88	12	\$68.81	\$1,085
	401WCOM - 1.5" Commercial Water Service	240,600	\$8.88	24	\$126.45	\$5,171
	401WCOM - 3" Commercial Water Service	38,100	\$8.88	12	\$431.52	\$5,517
	401WRES - Water Residential (All Meter Sizes)	223,957,601	\$8.88	55,452	\$24.72	\$3,359,517
	401PWRFW - Foxwood Purchased Water	10,155,689	\$9.41	2,520	\$24.72	\$157,859
	401WRPUR - 1" Water Distribution and Purchased Water Charge	897,105	\$9.41	48	\$24.72	\$9,628
	401WRPUR - 2" Water Distribution and Purchased Water Charge	8,976,895	\$9.41	216	\$24.72	\$89,812
	401WRPUR - 3/4" Water Distribution and Purchased Water Charge	382,431	\$9.41	12	\$24.72	\$3,895
	401WRPUR - 5/8" Water Distribution and Purchased Water Charge	84,189,851	\$9.41	20,124	\$24.72	\$1,289,692
	403WRES - Water Residential (All Meter Sizes)	5,282,114	\$8.88	1,104	\$24.72	\$74,196
	Water Service Total	334,243,426		79,560		\$4,998,095
	Miscellaneous Revenues - Late Fees					\$40,260
	New Customer Charges					\$25,390
	Miscellaneous Service Revenue					\$0
	NSF Check & Reconnect Fee					\$47,310
	Miscellaneous Revenues - Other ³					\$4,907
Total Miscellaneous Revenues ²						\$117,867
Total Operating Revenues						\$5,115,962

EXHIBIT MPS-2
Service Territory 2 - Water
Page 4 of 7

Office of Regulatory Staff
Revenue Impact Analysis
Carolina Water Service, Inc.
Docket No. 2017-292-WS

ORS Calculated Proposed Revenue at Company Proposed Rates - Service Territory 2								
A	B	C	D	E	F	G	H	I
	Customer Classification	Consumption in Gallons ¹	Usage Charge per 1,000 gallons	Annualized Service Units ¹	Base Facility Charge (BFC)	Proposed Revenue	Increase Amount	% Increase
WATER	401WCOM - 5/8" Commercial Water Service	93,790	\$10.49	36	\$29.20	\$2,035	\$312	18.11%
	401WCOM - 1" Commercial Water Service	29,250	\$10.49	12	\$81.28	\$1,282	\$197	18.16%
	401WCOM - 1.5" Commercial Water Service	240,600	\$10.49	24	\$149.36	\$6,109	\$938	18.14%
	401WCOM - 3" Commercial Water Service	38,100	\$10.49	12	\$509.70	\$6,516	\$999	18.11%
	401WRES - Water Residential (All Meter Sizes)	223,957,601	\$10.49	55,452	\$29.20	\$3,968,514	\$608,997	18.13%
	401PWRFW - Foxwood Purchased Water	10,155,689	\$12.19	2,520	\$29.20	\$197,382	\$39,523	25.04%
	401WRPUR - 1" Water Distribution and Purchased Water Charge	897,105	\$12.19	48	\$29.20	\$12,337	\$2,709	28.14%
	401WRPUR - 2" Water Distribution and Purchased Water Charge	8,976,895	\$12.19	216	\$29.20	\$115,736	\$25,924	28.86%
	401WRPUR - 3/4" Water Distribution and Purchased Water Charge	382,431	\$12.19	12	\$29.20	\$5,012	\$1,117	28.68%
	401WRPUR - 5/8" Water Distribution and Purchased Water Charge	84,189,851	\$12.19	20,124	\$29.20	\$1,613,895	\$324,203	25.14%
	403WRES - Water Residential (All Meter Sizes)	5,282,114	\$10.49	1,104	\$29.20	\$87,646	\$13,450	18.13%
	Water Service Total	334,243,426		79,560		\$6,016,464	\$1,018,369	20.38%
	Miscellaneous Revenues - Late Fees ⁴					\$48,463	\$8,203	20.38%
	New Customer Charges					\$25,390	\$0	0.00%
	Miscellaneous Service Revenue					\$0	\$0	-
	NSF Check & Reconnect Fee					\$47,310	\$0	0.00%
	Miscellaneous Revenues - Other ³					\$4,907	\$0	0.00%
	Total Miscellaneous Revenues ²					\$126,070	\$8,203	6.96%
	Total Operating Revenues					\$6,142,534	\$1,026,572	20.07%

Calculation Methodology:

- (1) Consumption and Units reflected as reported during test year. Growth factor not included for comparison purposes.
- (2) Customer Deposits and Interest on Deposits are not included in any of the above computations.
- (3) "Miscellaneous Revenues - Other" has been increased to account for Home Serve revenues received by CWS, apportioned by customer count for each service territory.
- (4) "Miscellaneous Revenues - Late Fees" are increased due to late payment fee increases resulting from the proposed rates requested by CWS.

EXHIBIT MPS-2
Service Territory 2 - Water
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Office of Regulatory Staff
Revenue Impact Analysis
Carolina Water Service, Inc.
Docket No. 2017-292-WS

ORS Pro-Forma Test Year Revenue at Current Rates - Service Territory 1 & 2

A	B	C	D	E
	Customer Classification	Annualized Service Units ¹	Base Facility Charge (BFC)	Test Year Revenues
SEWER	400WWCOM - WW Commercial (All Meter Sizes)	2,628	\$57.58	\$151,320
	400WWCRH - Commercial WW Treatment - RH (All Meter Sizes)	16,836	\$52.93	\$891,129
	400WWRCP - Residential WW Service (All Meter Sizes)	4,920	\$52.93	\$260,416
	400WWRES - WW Residential (All Meter Sizes)	72,540	\$57.58	\$4,176,853
	400WWRBJ - Residential WW Service (All Meter Sizes)	1,068	\$52.93	\$56,529
	400WWRRH - Residential WW Treatment - YC (All Meter Sizes)	47,076	\$52.93	\$2,491,733
	400WWRTC - Town of Chapin Purchase WW Res (All Meter Sizes)	1,068	\$52.93	\$56,529
	400WWTRL - WW Trailer Residential (All Meter Sizes)	36	\$42.01	\$1,512
	400WWTRT - Van Arsdale WW Treatment (All Meter Sizes) ⁵	0	\$26.66	\$0
	400WWCCP - Commercial Wastewater Service (Richland County)	24	\$52.93	\$1,270
	400WWRHT - Riverhills WW Treatment (All Meter Sizes)	108	\$52.93	\$5,716
	401WWRES - Residential WW Service (All Meter Sizes)	4,272	\$57.58	\$245,982
	401WWCOM - Commercial WW Treatment - (All Meter Sizes)	192	\$57.58	\$11,055
	403WWRES - Residential WW Service (All Meter Sizes)	6,864	\$57.58	\$395,229
	403WWMOB - Mobile Home Wastewater Service	1,860	\$42.01	\$78,139
	403WWVLG - Wastewater Residential Collection Charge	3,948	\$29.95	\$118,243
	Sewer Service Total	163,440		\$8,941,655
	Miscellaneous Revenues - Late Fees			\$84,632
	New Customer Charges			\$41,897
	Miscellaneous Service Revenue			\$115,560
	NSF Check & Reconnect Fee			\$10,080
	Miscellaneous Revenues - Other ³			\$10,391
Total Miscellaneous Revenues ²				\$262,560
Total Operating Revenues				\$9,204,215

EXHIBIT MPS-2
Sewer
Page 6 of 7
2017-292-WS
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Office of Regulatory Staff
Revenue Impact Analysis
Carolina Water Service, Inc.
Docket No. 2017-292-WS

EXHIBIT MPS-2
Sewer
Page 7 of 7

ORS Calculated Revenue at Company Proposed Rates - Service Territory 1 and 2

A	B	C	D	E	F	G
	Customer Classification	Annualized Service Units ¹	Base Facility Charge (BFC)	Proposed Revenue	Increase Amount	% Increase
SEWER	400WWCOM - WW Commercial (All Meter Sizes)	2,628	\$69.76	\$183,329	\$32,009	21%
	400WWCRH - Commercial WW Treatment - RH (All Meter Sizes)	16,836	\$69.76	\$1,174,479	\$283,350	32%
	400WWRCP - Residential WW Service (All Meter Sizes)	4,920	\$69.76	\$343,219	\$82,803	32%
	400WWRES - WW Residential (All Meter Sizes)	72,540	\$69.76	\$5,060,390	\$883,537	21%
	400WWRBJ - Residential WW Service (All Meter Sizes)	1,068	\$69.76	\$74,504	\$17,975	32%
	400WWRRH - Residential WW Treatment - YC (All Meter Sizes)	47,076	\$69.76	\$3,284,022	\$792,289	32%
	400WWRTC - Town of Chapin Purchase WW Res (All Meter Sizes)	1,068	\$69.76	\$74,504	\$17,975	32%
	400WWTRL - WW Trailer Residential (All Meter Sizes)	36	\$50.92	\$1,833	\$321	21%
	400WWTRT - Van Arsdale WW Treatment (All Meter Sizes) ⁵	0	\$32.31	\$0	\$0	0%
	400WWCCP - Commercial Wastewater Service (Richland County)	24	\$69.76	\$1,674	\$404	32%
	400WWRHT - Riverhills WW Treatment (All Meter Sizes)	108	\$69.76	\$7,534	\$1,818	32%
	401WWRES - Residential WW Service (All Meter Sizes)	4,272	\$69.76	\$298,015	\$52,033	21%
	401WWCOM - Commercial WW Treatment - (All Meter Sizes)	192	\$69.76	\$13,394	\$2,339	21%
	403WWRES - Residential WW Service (All Meter Sizes)	6,864	\$69.76	\$478,833	\$83,604	21%
	403WWMOB - Mobile Home Wastewater Service	1,860	\$50.92	\$94,711	\$16,572	21%
	403WWVLG - Wastewater Residential Collection Charge	3,948	\$36.30	\$143,312	\$25,069	21%
	Sewer Service Total	163,440		\$11,233,753	\$2,292,098	26%
	Miscellaneous Revenues - Late Fees ⁴			\$106,326	\$21,694	26%
	New Customer Charges			\$41,897	\$0	0%
	Miscellaneous Service Revenue			\$115,560	\$0	0%
	NSF Check & Reconnect Fee			\$10,080	\$0	0%
	Miscellaneous Revenue - Other ³			\$10,391	\$0	0%
	Total Miscellaneous Revenues ²			\$284,254	\$21,694	8%
	Total Operating Revenues			\$11,518,007	\$2,313,792	25%

Calculation Methodology:

- (1) Consumption and Units reflected as reported during test year. Growth factor not included for comparison purposes.
- (2) Customer Deposits and Interest on Deposits are not included in any of the above computations.
- (3) "Miscellaneous Revenues - Other" has been increased to account for Home Serve revenues received by CWS, apportioned by customer count for each service territory.
- (4) "Miscellaneous Revenues - Late Fees" are increased due to late payment fee increases resulting from the proposed rates requested by CWS.
- (5) Van Arsdale community will now be serviced by Lexington County after the transfer of the I-20 Sewer System.

B0CEPBN1E0RLPRRQCHS2008-10010/AR0235010:10EPSC0B06et2017292WS/a9a996424f58

EXHIBIT MPS-3

Carolina Water Service, Inc.

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Source: ORS Rates Request #4 - Misc. Revenue Response

Office of Regulatory Staff
Customer Growth
Carolina Water Service, Inc.
Docket No. 2017-292-WS

EXHIBIT MPS-4

Customer Growth	Service Territory 1 Water	Service Territory 2 Water	Service Territory 1 & 2 Sewer	Consolidated
Date	# of Customers	# of Customers	# of Customers	# of Customers
8/31/2016	9,396	6,573	13,279	29,248
8/31/2017	9,695	6,628	13,575	29,898
Average	9,546	6,601	13,427	29,573
Growth Factor	1.5662%	0.4166%	1.1023%	1.0990%

Source: ORS Rates Request#8 - Cust. Growth Tabs

Source: ORS Rates Request#7 - I-20 Sewer Customer Counts

ACCEPTED FOR PROCEEDINGS AND MAILED AND DELIVERED TO THE COURT ON 08/14/2018 BY US MAIL AT 08:14 AM. 08/14/2018 08:14 AM

Office of Regulatory Staff
Schedule of Proposed Rates and Charges
Carolina Water Service, Inc.
Docket No. 2017-292-WS
WATER

Exhibit MPS-5

Service Territory 1

Monthly Charges - Water Supply Customers Only

Where water is supplied by wells owned and operated by the Utility, the following rates apply:

	<u>Current</u>	<u>Proposed</u>
<u>Residential</u>		
Base Facilities Charge per single-family house, condominium, mobile home, or apartment unit	\$ 14.64 per unit	\$ 16.82 per unit
Residential Commodity Charge	\$ 5.69 per 1,000 gal. or 134 cft.	\$ 6.54 per 1,000 gal. or 134 cft.
<u>Commercial</u>		
Base Facilities Charge by meter size		
5/8" meter *	\$ 14.64 per unit	\$ 16.82 per unit
3/4" meter	\$ 14.64 per unit	\$ 16.82 per unit
1" meter	\$ 38.10 per unit	\$ 43.77 per unit
1.5" meter	\$ 76.21 per unit	\$ 87.54 per unit
2" meter	\$ 121.93 per unit	\$ 140.06 per unit
3" meter	\$ 228.63 per unit	\$ 262.63 per unit
4" meter	\$ 381.16 per unit	\$ 437.84 per unit
8" meter	\$1,171.21 per unit	\$1,345.36 per unit
Commercial Commodity Charge	\$ 5.69 per 1,000 gal. or 134 cft.	\$ 6.54 per 1,000 gal. or 134 cft.

Monthly Charges - Water Distribution Customers Only

Where water is purchased from a governmental body or agency or other entity for distribution and resale by the Utility, the following rates apply:

<u>Residential</u>		
Base Facilities Charge per single-family house, condominium, mobile home, or apartment unit	\$14.64 per unit	\$16.82 per unit
Residential Commodity Charge	\$ 6.67 per 1,000 gal. or 134 cft.	\$ 8.66 per 1,000 gal. or 134 cft.

Exhibit MPS-5

***A “Fire Line” customer will be billed a monthly base facilities charge of a 5/8” meter or at the rate of any other meter size used as a detector.**

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Office of Regulatory Staff
Schedule of Proposed Rates and Charges
Carolina Water Service, Inc.
Docket No. 2017-292-WS

Exhibit MPS-5

Service Territory 2

Monthly Charges - Water Supply Customers

Where water is supplied by wells owned and operated by the Utility, the following rates apply:

	<u>Current</u>	<u>Proposed</u>
<u>Residential</u>		
Base Facilities Charge per single-family house, condominium, mobile home or apartment unit:	\$24.72 per unit	\$29.20 per unit
Residential Commodity Charge	\$ 8.88 per 1,000 gal. or 134 cft.	\$10.49 per 1,000 gal. or 134 cft.
<u>Commercial</u>		
Base Facilities Charge by meter size		
5/8" meter*	\$ 24.72 per unit	\$ 29.20 per unit
1" meter	\$ 68.81 per unit	\$ 81.28 per unit
1.5" meter	\$ 126.45 per unit	\$149.36 per unit
3" meter	\$ 431.52 per unit	\$509.70 per unit
Commercial Commodity Charge	\$ 8.88 per 1,000 gal. or 134 cft.	\$10.49 per 1,000 gal. or 134 cft.

Monthly Charges - Water Distribution Customers Only

Where water is purchased from a governmental body or agency or other entity for distribution and resale by the Utility, the following rates apply:

<u>Residential</u>		
Base Facilities Charge per single-family house, condominium, mobile home or apartment unit:	\$ 24.72 per unit	\$ 29.20 per unit
Residential Commodity Charge	\$ 9.41 per 1,000 gal. or 134 cft.	\$ 12.19 per 1,000 gal. or 134 cft.
<u>Commercial</u>		
Base Facilities Charge by meter size:		
5/8" meter *	\$ 24.72 per unit	\$ 29.20 per unit
1" meter	\$ 68.81 per unit	\$ 81.28 per unit
1.5" meter	\$ 126.45 per unit	\$149.36 per unit
3" meter	\$ 431.52 per unit	\$509.70 per unit
Commercial Commodity Charge	\$ 9.41 per 1,000 gal. or 134 cft.	\$ 12.19 per 1,000 gal. or 134 cft.

*A "Fire Line" customer will be billed a monthly base facilities charge of a 5/8" meter or at the rate of any other meter size used as a detector.

BCECEFRONIEARLRROUES-SNOB-MAIAA00235910:1CEPSCS0B6612017-1292902SVSPa00000 07/01/18

I. The liability of the Company, its agents and employees for damages arising out of interruption of service or the failure to furnish service, whether caused by acts or omission, shall be limited to those remedies provided in the Public Service Commission's rules and regulations governing water utilities.

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Exhibit MPS-5

(Former customers of Carolina Water Service, Inc., Utilities Services of SC, Inc. and United Utility Companies, Inc.)

Monthly Charges – Sewer Collection & Treatment Only

Where sewage collection and treatment are provided through facilities owned and operated by the Utility, the following rates apply:

	<u>Current</u>	<u>Proposed</u>
Residential - charge per single-family house, condominium, villa, or apartment unit:	\$57.58 per unit	\$69.76 per unit
Mobile Homes:	\$42.01 per unit	\$50.92 per unit
Commercial	\$57.58 per SFE*	\$69.76 per SFE*

Commercial customers are those not included in the residential category above and include, but are not limited to, hotels, stores, restaurants, offices, industry, etc.

Monthly charge – Sewer Collection Only

When sewage is collected by the Utility and transferred to a government body or agency, or other entity for treatment, the Utility's rates are as follows:

Residential – per single-family house, condominium, or apartment unit	\$52.93 per unit	\$69.76 per unit
Commercial	\$52.93 per SFE*	\$69.76 per SFE*
The Village Sewer Collection	\$29.95 per SFE*	\$36.30 per SFE*

* Single Family Equivalent (SFE) shall be determined by using the South Carolina Department of Health and Environmental Control Guidelines for Unit Contributory Loadings for Domestic Wastewater Treatment Facilities -- 25 S.C. Code Ann. Regs. 61-67 Appendix A, as may be amended from time to time. Where applicable, such guidelines shall be used for determination of the appropriate monthly service and tap fee.

Exhibit MPS-5

SEWER SERVICE TERMS AND CONDITIONS AND NON-RECURRING CHARGES

The Utility shall have no obligation at its expense to extend its utility service lines or mains in order to permit any customer to discharge acceptable wastewater into one of its sewer systems. However, anyone or entity which is willing to pay all costs associated with extending an appropriately sized and constructed main or utility service line from his/her/its premises to any appropriate connection point, and pay the appropriate fees and charges as set forth in this rate schedule, and comply with the guidelines and standards hereof, shall not be denied service unless sewer capacity is unavailable or unless the South Carolina Department of Health and Environmental Control or other government entity has

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In no event will the Utility be required to construct additional sewer treatment capacity to serve any customer or entity without an agreement acceptable to the Utility first having been reached for the payment of all costs associated with adding wastewater treatment capacity to the affected sewer system.

G. The liability of the Company, its agents and employees for damages arising out of interruption of service or the failure to furnish service, whether caused by acts or omission, shall be limited to those remedies provided in the Public Service Commission's rules and regulations governing wastewater utilities.

For all customers receiving sewage collection service through an approved solids interceptor tank, the following additional charges shall apply:

At such time as the Utility determines through its inspection that excessive solids have accumulated in the interceptor tank, the Utility will arrange for the pumping tank and will include \$150.00 as a separate item in the next regular billing to the customer.

If a separate pump is required to transport the customer's sewage from solids interceptor tank to the Utility's sewage collection system, the Utility will arrange to have this pump repaired or replaced as required and will include the cost of such repair or replacement as a separate item in the next regular billing to the customer and may be paid for over a one-year period.

In order for a customer who uses a solids interceptor tank to receive sewage service from the Utility or to continue to receive such service, the customer shall install at the customer's expense a visual inspection port which will allow for observation of the contents of the solids interceptor tank and extraction of test samples therefrom. Failure to provide such

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3. Non-recurring Charges

Office of Regulatory Staff
High Bill Analysis - Water
Carolina Water Service, Inc.
Docket No. 2017-292-WS

Service Territory #1 Residential Water Customers

Rate description	Annual Water Consumption	Test Year Total	Average Monthly Bill	After Proposed Increase - Annual Total	Average Monthly Bill	Monthly Difference	% Increase
Residential I - Purchased	701,660	\$ 4,855.75	\$ 404.65	\$ 6,280.22	\$ 523.35	\$ 118.71	29.34%
Residential I - Purchased	560,540	\$ 3,914.48	\$ 326.21	\$ 5,057.71	\$ 421.48	\$ 95.27	29.21%
Residential I - Purchased	488,900	\$ 3,436.64	\$ 286.39	\$ 4,437.10	\$ 369.76	\$ 83.37	29.11%
Residential I - Purchased	454,600	\$ 3,207.86	\$ 267.32	\$ 4,139.96	\$ 345.00	\$ 77.67	29.06%
Residential I - Purchased	436,690	\$ 3,088.40	\$ 257.37	\$ 3,984.81	\$ 332.07	\$ 74.70	29.02%
Residential I - Purchased	399,130	\$ 2,837.88	\$ 236.49	\$ 3,659.43	\$ 304.95	\$ 68.46	28.95%
Residential I - Purchased	393,270	\$ 2,798.79	\$ 233.23	\$ 3,608.67	\$ 300.72	\$ 67.49	28.94%
Residential I - Purchased	375,920	\$ 2,683.07	\$ 223.59	\$ 3,458.36	\$ 288.20	\$ 64.61	28.90%
Residential I - Purchased	360,110	\$ 2,577.61	\$ 214.80	\$ 3,321.40	\$ 276.78	\$ 61.98	28.86%
Residential I - Purchased	349,950	\$ 2,509.85	\$ 209.15	\$ 3,233.39	\$ 269.45	\$ 60.30	28.83%

Service Territory #1 Commercial Water Customers

Rate description	Annual Water Consumption	Test Year Total	Average Monthly Bill	After Proposed Increase	Average Monthly Bill	Monthly Difference	% Increase
Commercial I - Purchased 3	4,358,230	\$ 29,245.08	\$ 2,437.09	\$ 37,956.76	\$ 3,163.06	\$ 725.97	29.79%
Commercial I - Purchased 2	3,261,000	\$ 23,214.02	\$ 1,934.50	\$ 29,930.47	\$ 2,494.21	\$ 559.70	28.93%
Commercial I - Purchased 2	3,228,458	\$ 22,996.97	\$ 1,916.41	\$ 29,648.57	\$ 2,470.71	\$ 554.30	28.92%
Commercial I - Purchased 2	2,404,100	\$ 17,498.50	\$ 1,458.21	\$ 22,507.23	\$ 1,875.60	\$ 417.39	28.62%
Commercial I - Purchased 8	586,181	\$ 17,964.32	\$ 1,497.03	\$ 21,222.35	\$ 1,768.53	\$ 271.50	18.14%
Commercial I - Purchased 3	1,975,820	\$ 15,922.32	\$ 1,326.86	\$ 20,267.86	\$ 1,688.99	\$ 362.13	27.29%
Commercial I - Purchased 4	1,556,360	\$ 14,954.89	\$ 1,246.24	\$ 18,736.64	\$ 1,561.39	\$ 315.15	25.29%
Commercial I - Purchased 2	1,768,200	\$ 13,257.04	\$ 1,104.75	\$ 16,998.48	\$ 1,416.54	\$ 311.79	28.22%
Commercial I - Purchased 2	1,559,900	\$ 11,867.68	\$ 988.97	\$ 15,194.00	\$ 1,266.17	\$ 277.19	28.03%
Commercial I - Purchased 3	1,242,100	\$ 11,028.41	\$ 919.03	\$ 13,911.71	\$ 1,159.31	\$ 240.28	26.14%

Office of Regulatory Staff
High Bill Analysis - Water
Carolina Water Service, Inc.
Docket No. 2017-292-WS

Service Territory #2 Residential Water Customers

Rate description	Annual Water Consumption	Test Year Total	Average Monthly Bill	After Proposed Increase	Average Monthly Bill	Monthly Difference	% Increase
Residential II - Well	1,133,317	\$ 10,356.90	\$ 863.08	\$ 12,237.64	\$ 1,019.80	\$ 156.73	18.16%
Residential II - Purchased	1,052,700	\$ 10,202.60	\$ 850.22	\$ 13,186.40	\$ 1,098.87	\$ 248.65	29.25%
Residential II - Purchased	1,039,400	\$ 10,077.45	\$ 839.79	\$ 13,024.23	\$ 1,085.35	\$ 245.57	29.24%
Residential II - Purchased	956,300	\$ 9,295.47	\$ 774.62	\$ 12,010.95	\$ 1,000.91	\$ 226.29	29.21%
Residential II - Purchased	938,400	\$ 9,127.04	\$ 760.59	\$ 11,792.69	\$ 982.72	\$ 222.14	29.21%
Residential II - Well	890,780	\$ 8,203.95	\$ 683.66	\$ 9,693.69	\$ 807.81	\$ 124.14	18.16%
Residential II - Purchased	804,145	\$ 7,863.70	\$ 655.31	\$ 10,155.66	\$ 846.31	\$ 191.00	29.15%
Residential II - Purchased	706,500	\$ 6,944.86	\$ 578.74	\$ 8,965.04	\$ 747.09	\$ 168.35	29.09%
Residential II - Purchased	586,700	\$ 5,817.54	\$ 484.79	\$ 7,504.27	\$ 625.36	\$ 140.56	28.99%
Residential II - Purchased	533,847	\$ 5,320.19	\$ 443.35	\$ 6,859.81	\$ 571.65	\$ 128.30	28.94%

Service Territory #2 Commercial Water Customers

Rate description	Annual Water Consumption	Test Year Total	Average Monthly Bill	After Proposed Increase	Average Monthly Bill	Monthly Difference	% Increase
Commercial II - 3"	38,100	\$ 5,516.50	\$ 459.71	\$ 6,516.08	\$ 543.01	\$ 83.30	18.12%
Commercial II - 1.5"	240,600	\$ 3,653.13	\$ 304.43	\$ 4,315.96	\$ 359.66	\$ 55.24	18.14%
Commercial II - 1.5"	-	\$ 1,517.38	\$ 126.45	\$ 1,792.33	\$ 149.36	\$ 22.91	18.12%
Commercial II - 5/8"	80,000	\$ 1,303.52	\$ 108.63	\$ 1,539.88	\$ 128.32	\$ 19.70	18.13%
Commercial II - 1"	29,250	\$ 1,085.42	\$ 90.45	\$ 1,282.13	\$ 106.84	\$ 16.39	18.12%

EXHIBIT MPS-6
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Rate description	SFE Count	Test Year Total	Average Monthly Bill	After Proposed Increase	Average Monthly Bill	Monthly Difference	% Increase
400WWCOM	200	\$ 138,192.00	\$11,516.00	\$ 167,424.00	\$13,952.00	\$ 2,436.00	21.15%
403WWVLG	108	\$ 38,815.20	\$ 3,234.60	\$ 47,044.80	\$ 3,920.40	\$ 685.80	21.20%
400WWRES	80	\$ 55,276.80	\$ 4,606.40	\$ 66,969.60	\$ 5,580.80	\$ 974.40	21.15%
400WWRES	72	\$ 49,749.12	\$ 4,145.76	\$ 60,272.64	\$ 5,022.72	\$ 876.96	21.15%
403WWRES	32	\$ 22,110.72	\$ 1,842.56	\$ 26,787.84	\$ 2,232.32	\$ 389.76	21.15%
400WWCOM	28	\$ 19,346.88	\$ 1,612.24	\$ 23,439.36	\$ 1,953.28	\$ 341.04	21.15%
403WWRES	24	\$ 16,583.04	\$ 1,381.92	\$ 20,090.88	\$ 1,674.24	\$ 292.32	21.15%
400WWCOM	24	\$ 16,583.04	\$ 1,381.92	\$ 20,090.88	\$ 1,674.24	\$ 292.32	21.15%
400WWRBJ	23	\$ 14,608.68	\$ 1,217.39	\$ 19,253.76	\$ 1,604.48	\$ 387.09	31.80%
400WWCOM	17	\$ 11,746.32	\$ 978.86	\$ 14,231.04	\$ 1,185.92	\$ 207.06	21.15%

Office of Regulatory Staff
Palmetto Apartments Inflow and Infiltration Analysis
Carolina Water Service, Inc.
Docket No. 2017-292-WS

	Subdivision	Units	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17
A	Palmetto Apts	Residential	89.00	90.17	88.00	89.00	92.37	88.93	86.80	88.20	88.40	87.00	88.53	88.60
B	Monthly Rainfall - Beaufort SC	Inches	6.39	14.73	0.09	3.60	4.98	0.84	1.01	3.79	5.96	6.94	5.40	8.18
C	BJWSA Bill	Gallons	539,919	560,181	453,810	402,281	418,238	313,143	313,143	474,943	464,528	677,954	467,022	518,799
D	Billing Period	Days	33.00	30.00	31.00	30.00	30.00	32.00	28.00	31.00	30.00	31.00	30.00	31.00
E	Average Customer Usage	Avg Gal/SFE/Day	183.83	207.09	166.35	150.67	150.93	110.03	128.84	173.70	175.16	251.37	175.84	188.89
F	Contributory Loading Guidelines	Gal/SFE/Day	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00

DHEC Contributory Loading Guidelines Chapter 61-67 Appendix A requires wastewater facilities to be built with capacity to handle 300 Gallons per Single Family
The difference between Rows E and F above show the system is not sending waste to BJWSA out of line with the DHEC requirements for wastewater systems.